CUSTOMIZED MATTRESS SYSTEM

Abstract of the Disclosure

A customized mattress evaluation system allows for uniquely designed mattresses based upon a particular customer's physical attributes. The system allows a retail mattress store to collect data from a sensor pad positioned on top of a support surface to generate a pressure profile for that person. The pressure

5 profile and other information are used to generate specific mattress design parameters or co-efficients which are then utilized in designing a specific mattress uniquely customized for that person. Body type coefficients characteristic of an individual customer are correlated with coefficients developed for test persons for which various bedding products have been

10 optimized. The optimization includes the rating of various bedding products for various body types by minimizing support pressures across the mattress and optimizing lumbar support for desired spinal curvature.